## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6166601").PN.	US-PGPUB; USPAT; USOCR; EPO; IPO	OR	OFF	2007/03/19 11:31
<b>S2</b>	8	(("5770971") or ("5351016") or ("5334946") or ("5420536") or ("4929906") or ("5155448") or ("6081156") or ("5796304") or ("5770971") or ("5720536") or ("4929906") or ("5334946"))-PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/19 13:25
<b>S3</b>	1599	predistort\$4 same linear\$6	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:29
<b>S4</b>	9951802	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 18:51
55	484	\$3.54	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:29
<b>S</b> 6	13391	(up adj2 convert\$4 or upconvert\$4 or downconvert\$4 or down adj3 convert\$4) same (amplif\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:33
<b>S</b> 7	64	56 \$5	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 13:14
S8	28778	(up adj2 convert\$4 or upconvert\$4 or downconvert\$4 or down adj3 convert\$4 or frequency adj4 convert\$4) same (amplif\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:33
<b>S9</b>	30319	(up adj2 conver\$4 or upconver\$4 or downconver\$4 or down adj3 conver\$4 or frequency adj4 conver\$4) same (amplif\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:37
S10	97	59 55	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:38

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522	1833	output with filter with pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:41
S23	80175	predistort\$4 or linear\$8 same amplifier\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	and	OFF	2007/03/20 15:34
S24	303	S22 S14 S15	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:42
S25	41	S24 S20	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:42
526	123	(predistort\$4 or linearizer or lineariser) and amplifier\$4 with filter and pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND .	OFF	2007/03/20 15:35
S27	43	S26 S15	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:23
S28	11752	predistort\$4 or linear\$8 and amplifier\$4 same (upconver\$4 or downconver\$4 or frequency adj4 conver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 11:23
S29	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 11:23
530	3321	(predistort\$4 or linearization or lineariser or linearizer or lineari\$4) and amplifier\$4 same (upconver\$4 or downconver\$4 or frequency adj4 conver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:47
531	1052	S29 S30	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 11:24
S32	17563	pilot adj generat\$4 or pilot adj signal or pilot with insert	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 11:25
533	46	\$31 532	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 13:42

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### **EAST Search History**

	DD1 Scarcii fiistory							
S11	115687	(up adj2 conver\$4 or upconver\$4 or downconver\$4 or foeuency adj4 conver\$4 or frequency adj4 conver\$4 or power with divid\$4 or frequency with divid\$4 or IF with RF or baseband with RF and (amplif\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:38		
512	203	\$11 \$5	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/19 13:38		
S13	5924	pilot with filter	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:28		
514	1360145	predistort\$4 or linear\$8	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:41		
515	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/23 12:21		
S16	790	S13 S14 S15	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 13:15		
517	101	\$13 same \$14 \$15	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 13:15		
S18	211279	output with filter	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:41		
519	7630	S18 same S14 S15	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:29		
S20	22001	amplifier\$4 same (frequency adj4 conver\$4 or upconver\$4 or downconver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:30		
S21	396	519 520	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/20 14:30		

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# EAST Search History

S34	526	predistor\$4 and (frequency adj4 conver\$4 or upconver\$4 or downconver\$4) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 13:42
S35	257	predistor\$4 same (frequency adj4 conver\$4 or upconver\$4 or downconver\$4) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 13:42
S36	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 13:43
S37	31	\$35 \$36	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:10
S38	1	"5351016".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:11
\$39	0	"5770971".pn. and frequency with conver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:11
540	0	"5770971".pn. and (up or down) with conver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:11
S41	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:23
542	123	(predistort\$4 or linearizer or lineariser) and amplifier\$4 with filter and pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:23
543	30	S42 S41 (frequency with conver\$4 or upconver\$4 or downconver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:29
544	485	(predistort\$4 or "pre-distortion" or linearization or lineari\$6) and (upconver\$4 or downconver\$4 or frequency with conver\$4) and (pilot) and (amplifier with filter)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:33
S45	196 007 2:20:57 P	S44 S36	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:32 Page 4

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### **EAST Search History**

S46	110	(predistort\$4 or "pre-distortion" or linearization or lineari\$6) and (upconver\$4 or downconver\$4 or frequency with conver\$4) and (pilot) same (amplifier with filter)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 14:33
S47	39	S46 S36	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:31
548	.1	("4580105").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/21 17:33
549	819	power adj combin\$4 with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:34
S50	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:34
S51	373	S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:36
S52	1	"5166634".pn. and amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:25
S53	0	power adj combiner with loss adj4 free with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:41
S54	2	power adj combiner same loss adj4 free same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 18:29
S55	1	"5166634".pn. and frequency with conver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 17:50
<b>556</b>	713	frequency adj conver\$4 same pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 18:29
\$57	3382	predistor\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 18:29

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	EAST Search History									
S58	11	S56 S57	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 18:29				
\$59		S58 S50	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 18:29				
\$60	2	("3922617"   "4885551").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/21 20:04				
S61	1	("5334946").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/21 20:04				
<b>S62</b>	0	"5166634".pn. and frequency adj conver\$4 same phase same amplitude same pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 13:21				
S63	0	"5166634".pn. and frequency with conver\$4 same phase same amplitude same pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:26				
564	1	"5166634".pn. and (frequency ) same phase same (amplitude or magnitude) same pilot	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:46				
S65	0	suppressor with pilot with (image\$4 or cop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:47				
S66	3386	predistort\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:47				
S67	123183	(predistort\$4 or linearization or lineariser or linearizer or lineari\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:37				
S68	70	(canel\$4 or eliminat\$4 or suppres\$4) with pilot with (image\$4 or cop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:53				
569	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:48				

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	EAST Search History								
570	3	S68 S67 S69	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 20:48			
571	· 78	(canel\$4 or eliminat\$4 or suppres\$4) with pilot with (imag\$4 or cop\$4 or duplicat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	and	OFF	2007/03/21 20:54			
572	3	S71 S69 S67	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/21 21:21			
S73	1	(("200100309731") or ("3568148")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/21 21:21			
S74		(("20010030973") or ("3568148")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/21 21:21			
S75	1	"5420536".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:36			
S76	123330	(predistort\$4 or linearization or lineariser or linearizer or lineari\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 18:51			
S77	16531	third adj order or cub\$4 with non adj2 linearity	US-PGPUB; USPAT; USOCR; EPO; JPO	AND _	OFF	2007/03/22 14:37			
S78	16508	third adj order or cub\$4 with predistort\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:37			
S79	16525	third adj order or cub\$4 same predistort\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:37			
S80	236	(third adj order or cub\$4) same predistort\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:38			
S81	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:38			

### **EAST Search History**

		LAST Searc		·		
S82	82	S80 S76 S81	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 14:49
583	5	S80 S76 S81 pilot same filter	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 16:01
S84	66	non adj2 linearity with I with Q	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 16:25
S85	6	S84 576 S81	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 16:02
S86	379	predistort\$4 same I with Q	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 16:25
587	312327	attenuat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 16:26
588	27	\$86 \$87 \$76 \$81	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 17:33
589	1	("5351016").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/22 18:50
S90	1939	(cop\$3 or duplicat\$4 or cross adj4 modulat\$4) with (pilot)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:09
S91	123330	(predistort\$4 or linearization or lineariser or linearizer or lineari\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 18:51
S92	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 18:51
593	21	S90 S91 S92	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 18:51

### **EAST Search History**

	DADT Scarcii History						
594	228	(cop\$3 or duplicat\$4 or cross adj4 modulat\$4) with (pilot) with signal	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:09	
\$95	43	(cross adj4 modulat\$4) with (pilot) with signal	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:12	
S96	123330	(predistort\$4 or linearization or lineariser or linearizer or lineari\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:10	
597	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:10	
598	1	S95 S96 S97	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:10	
599	5	(cross adj4 modulat\$4) with (pilot) and (power adj amplifier or predistort\$4 or pre adj2 distort\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:15	
510 0		S99 S97	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:13	
510 1	766	(pilot with signal or pilot with generat\$4) \$96 \$97	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:16	
S10 2	620	(pilot near4 signal or pilot near4 generat\$4) S96 S97	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:17	
S10 3	466	(pilot near4 signal or pilot near4 generat\$4) 596 597 (power adj amplifier or amplifier)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:17	
S10 4	208	(pilot near4 signal or pilot near4 generat\$4) 596 597 (power adj amplifier or amplifier) with filter	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:18	
510 5	53	(pilot near4 signal or pilot near4 generat\$4) 596 597 (power adj amplifier or amplifier) with filter (cancel\$4 or suppres\$4) with (pilot)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:20	

**EAST Search History** 

S10 6	0	(pilot near4 signal or pilot near4 generat\$4) \$96 \$97 (power adj amplifier or amplifier) with filter (cancel\$4 or suppres\$4) with (pilot) same cross adj4 modulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:21
510 7	2	(pilot near4 signal or pilot near4 generat\$4) \$96 \$97 (power adj amplifier or amplifier) with filter (pilot) same cross adj4 modulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/22 21:22
S10 8	1	(*6687291*).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/23 12:10
S10 9	1	pilot adj4 signal with (image\$4 or cop\$4 or duplicat\$4) and predistort\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/23 12:1
S11 0	92	pilot adj4 signal with (image\$4 or cop\$4 or duplicat\$4) and (predistort\$4 or pre adj2 distort\$4 or linear\$8 or power adj amplifier)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND .	OFF	2007/03/23 12:2
S11 1	9951826	@ad<="19990212"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/23 12:2
S11 2	33	\$110 \$111	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2007/03/23 12:2

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